APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

Fig. 1

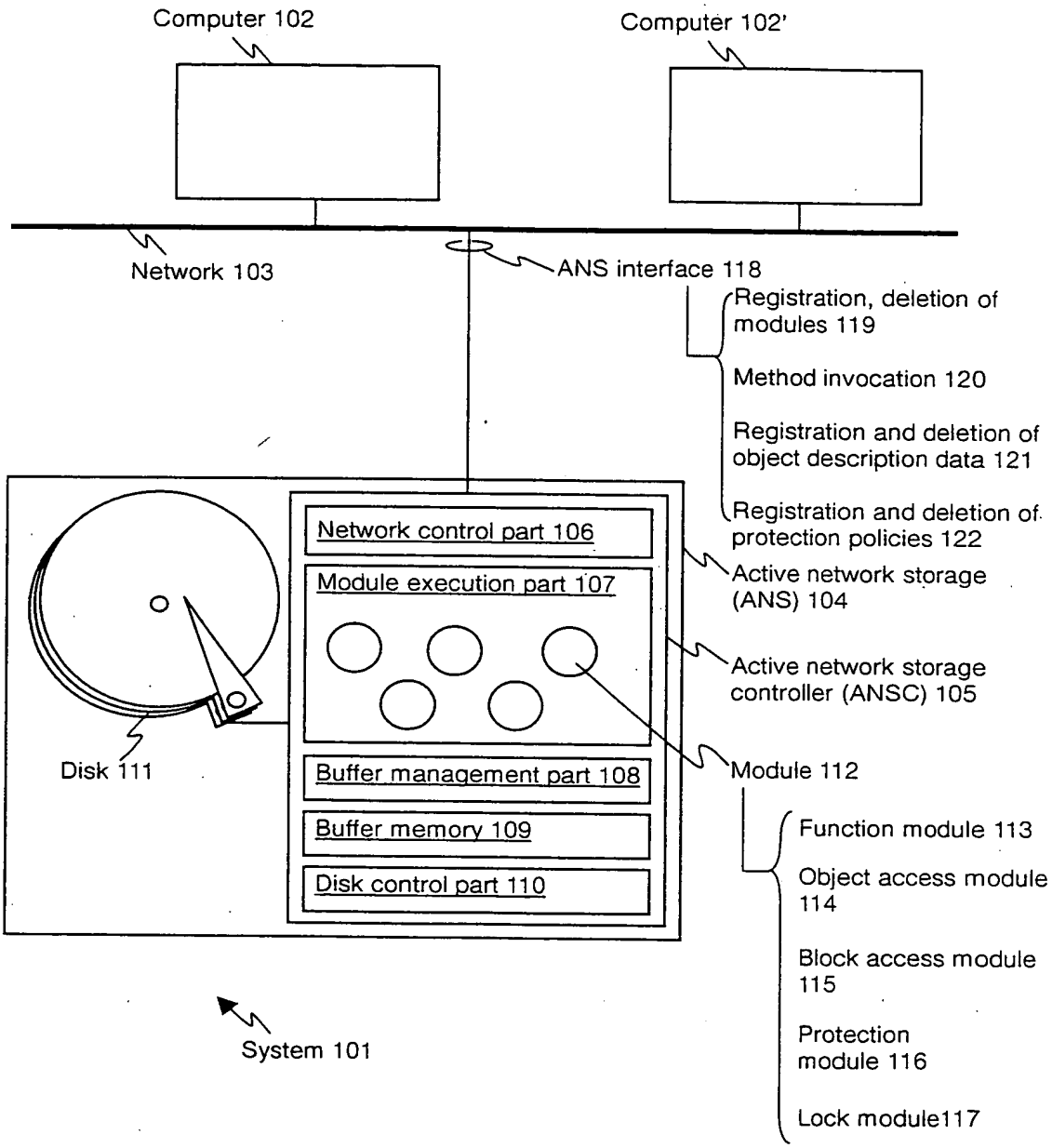

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Fig. 2

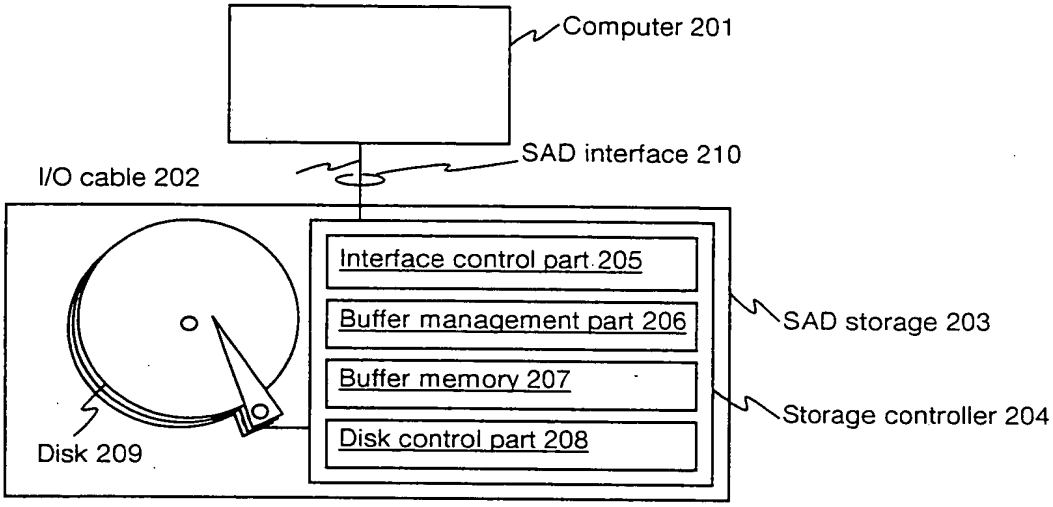

Fig. 3

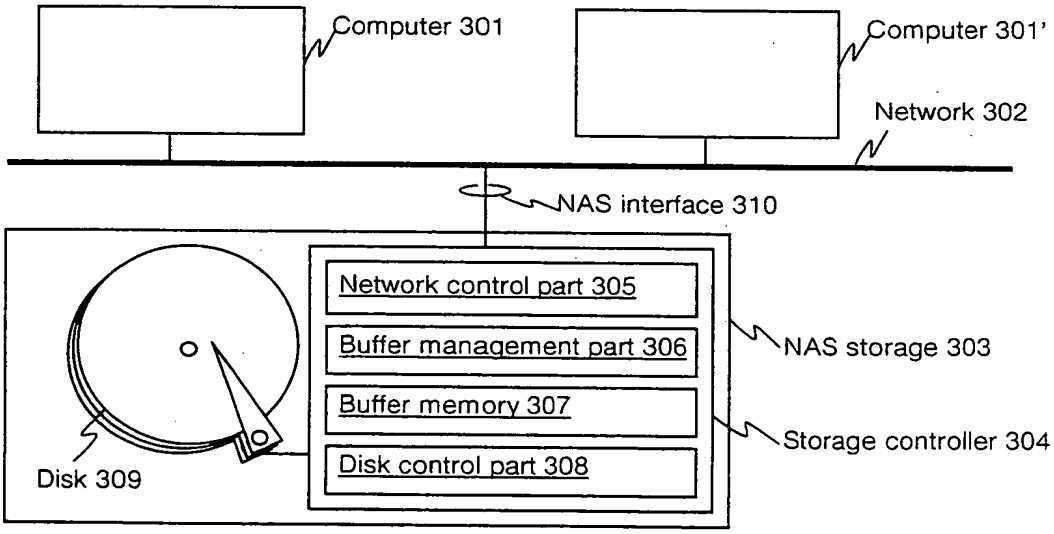

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Fig. 4

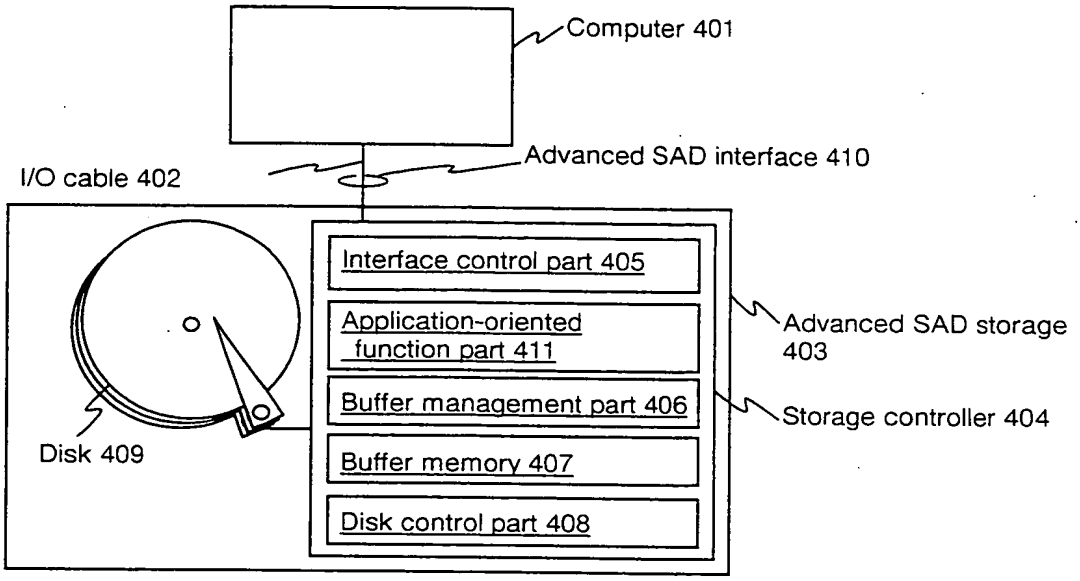

Fig. 5

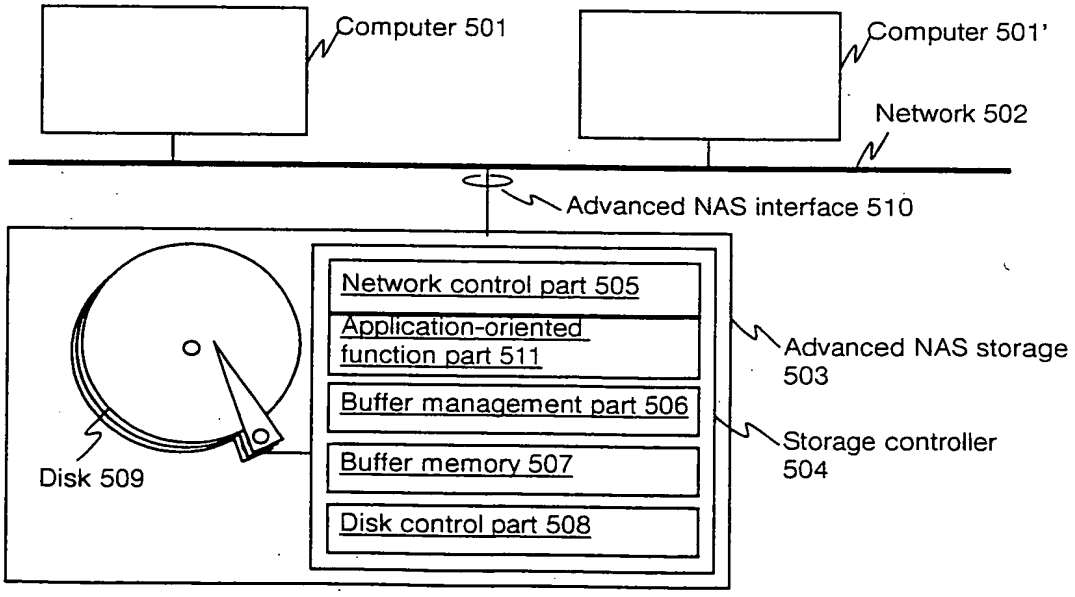

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Fig. 6

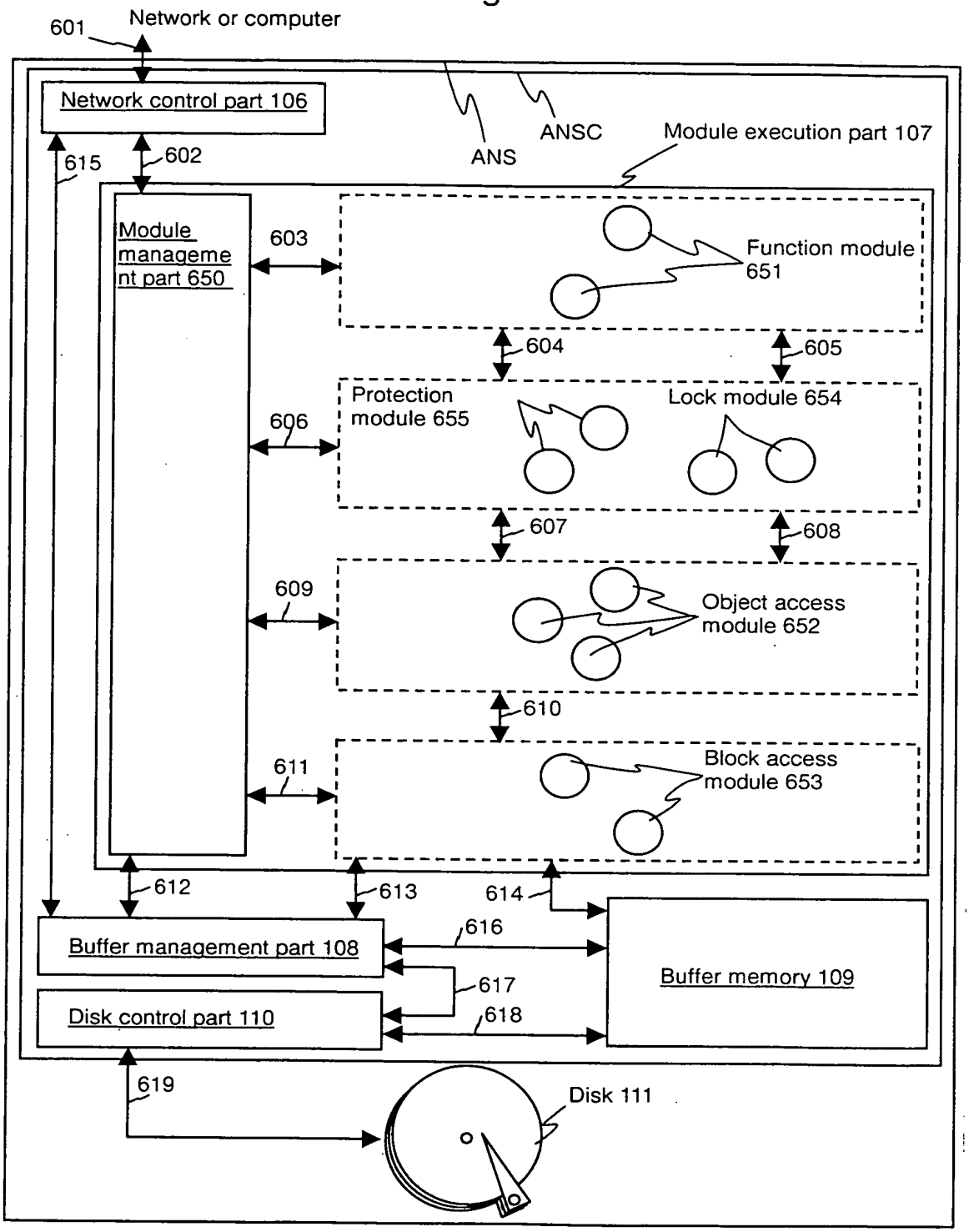

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Fig. 7

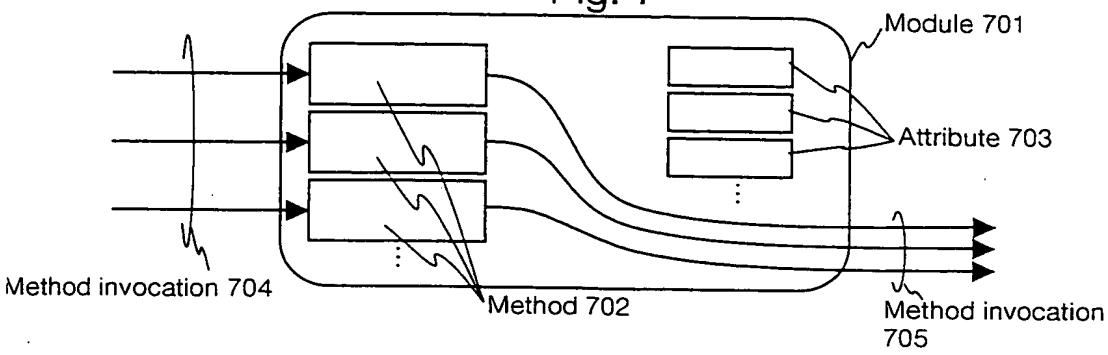

Fig. 8

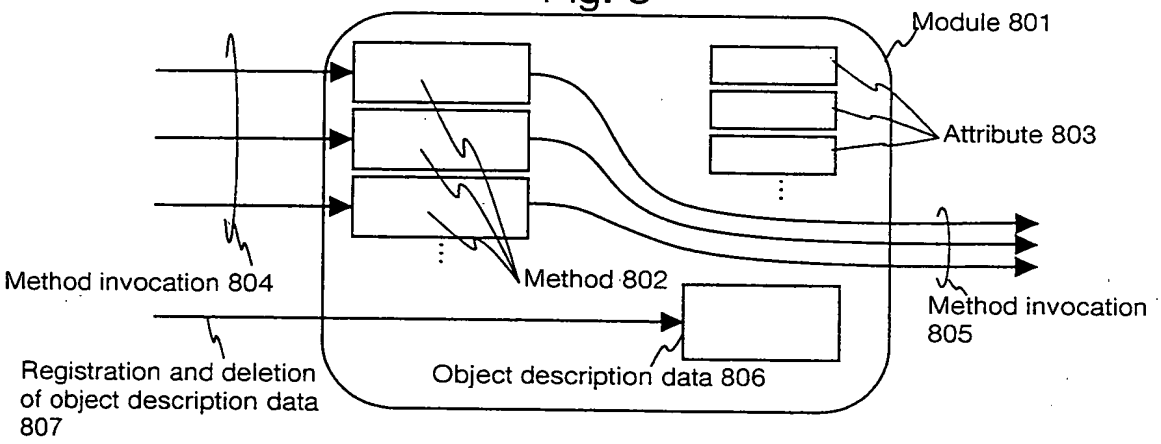

Fig. 9

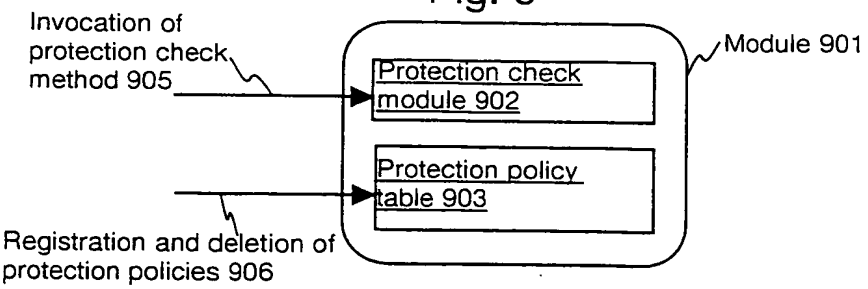

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Fig. 10

Object description data (table form) 1001

Tag 1002	Type 1003	Offset 1004	Size 1005	Count 1006	Block type 1007
		⋮			

Fig. 11

UFS_inode object 1101

Tag 1002	Type 1003	Offset 1004	Size 1005	Count 1006	Block type 1007
di_mode	short	0	2	1	null
di_nlink	short	2	2	1	null
di_uid	short	4	2	1	null
di_gid	short	6	2	1	null
di_size	long	8	4	1	null
di_addr1	BLOCK	12	3	10	UFS_data
di_addr2	BLOCK	42	3	1	UFS_indirect1
di_addr3	BLOCK	45	3	1	UFS_indirect2
di_addr4	BLOCK	48	3	1	UFS_indirect3
di_gen	byte	51	1	1	null
di_atime	long	52	4	1	null
di_mtime	long	56	4	1	null
di_ctime	long	60	4	1	null

UFS_data3 object 1102

Tag 1002	Type 1003	Offset 1004	Size 1005	Count 1006	Block type 1007
data	byte	0	1	4096	null

UFS_indirect13 object 1103

Tag 1002	Type 1003	Offset 1004	Size 1005	Count 1006	Block type 1007
bid	BLOCK	0	4	1024	UFS_data

UFS_indirect23 object 1104

Tag 1002	Type 1003	Offset 1004	Size 1005	Count 1006	Block type 1007
bid	BLOCK	0	4	1024	UFS_indirect1

UFS_indirect3 object 1105

Tag 1002	Type 1003	Offset 1004	Size 1005	Count 1006	Block type 1007
bid	BLOCK	0	4	1024	UFS_indirect2

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Fig. 12

Object description data (parser form) 1201

Tag 1202	Initialization code 1203
Context 1204	Code1205
⋮	

Fig. 13

```
create table customer (
        c_id            integer,
        c_name          char(40),
        c_address       varchar(100),
        );
```

1301

132

Tag 1202	Initialization code1203
Context 1204	Code 1205
customer()	{ record = 0; column = 0; }
(record())*	null
record()	{ int saved_offset = offset; }
record_size = <long> c_id() c_name() c_address()	{ record++; column = 0; foundObject("record", record_size, saved_off, record); }
c_id()	null
value = <long>	{ column++; foundObject("c_id", value, sizeof(long), record, column); }
c_name()	null
value = <char>[40]	{ column++; foundObject("c_name", value, sizeof(char)*4, record, column); }
c_address()	null
column_size = <long> value = <char>[column_size]	{ column++; foundObject("c_address", value, sizeof(char)*4, record, column); }

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Fig. 14

Object description data (pattern matching form) 1401

File format 1402	Tag 1403	Pattern 1404
shell_script	header1	"#!"
	header2	"/bin/sh"
UNIX_executable	header1	ZMAGIC || NMAGIC || OMAGIC
⋮		

Fig. 15

Protection policy description data 1501

Sender 1502	Receiver 1503	Method 1504	Allow/Deny 1505
selectionModule	recordAccessModule	getObject("column")	Allow
selectionModule	blockAccessModule	getBlock()	Deny
		⋮	

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Fig. 16

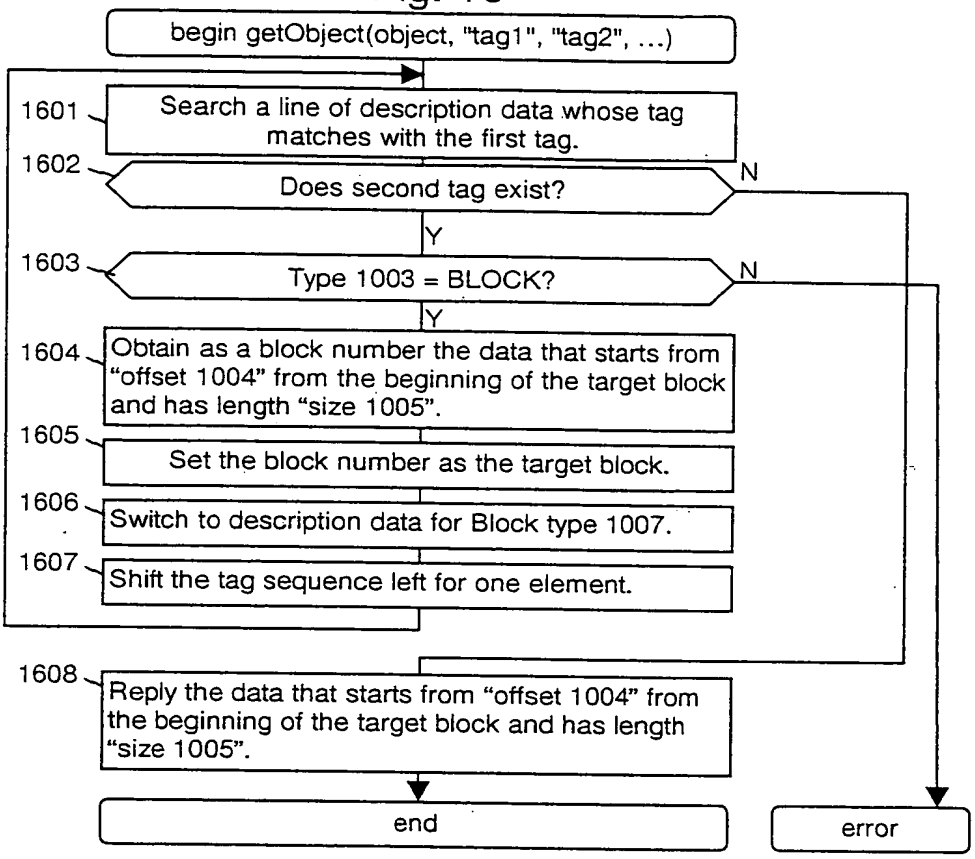

Fig. 17

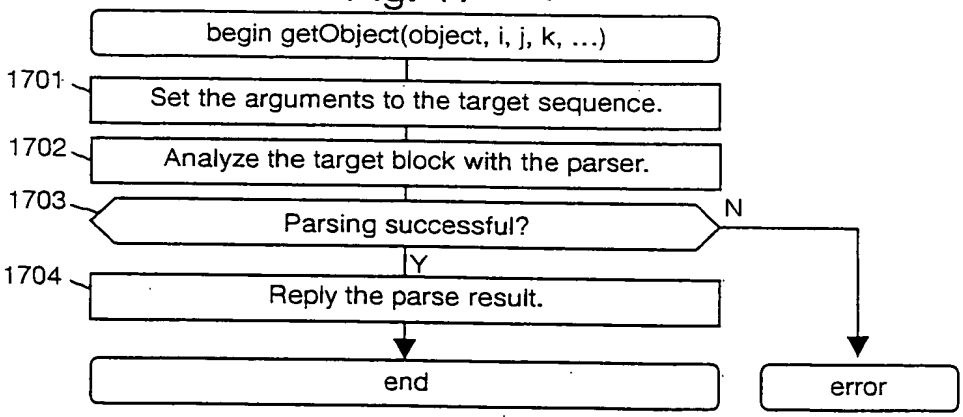

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Fig. 18

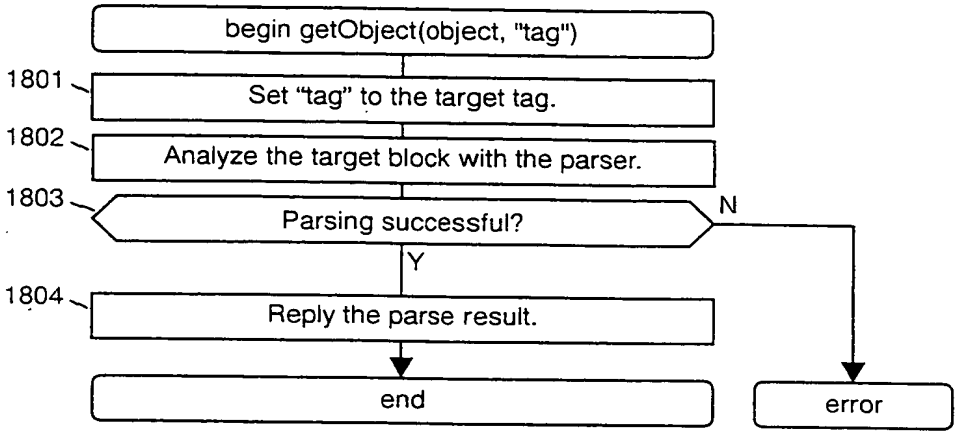

Fig. 19

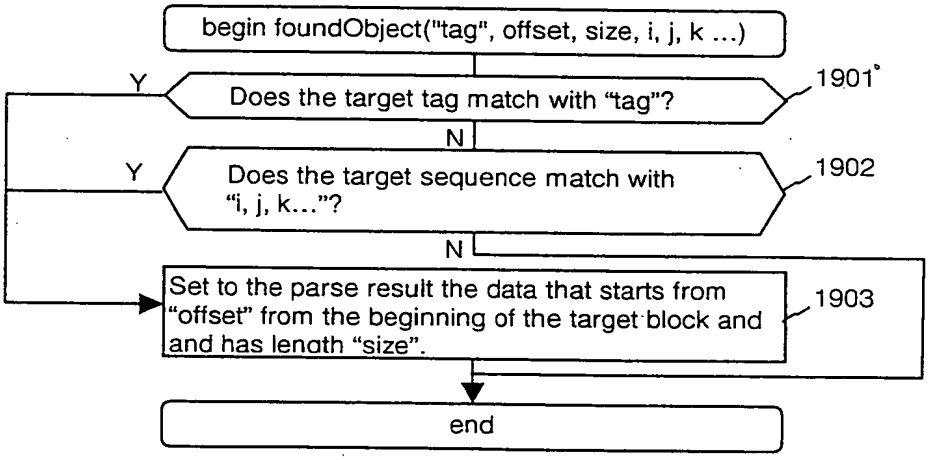

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Fig. 20

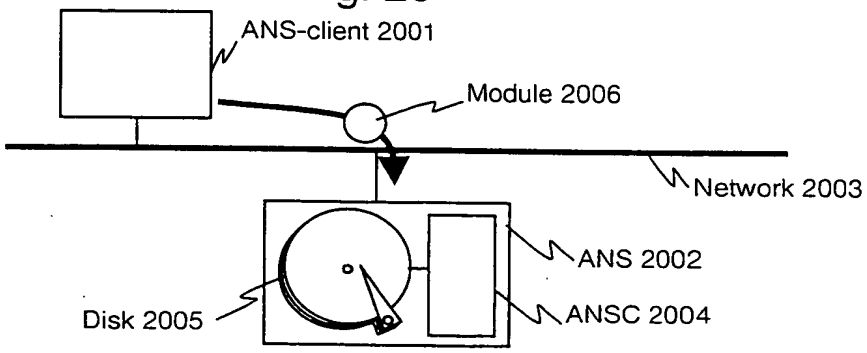

Fig. 21

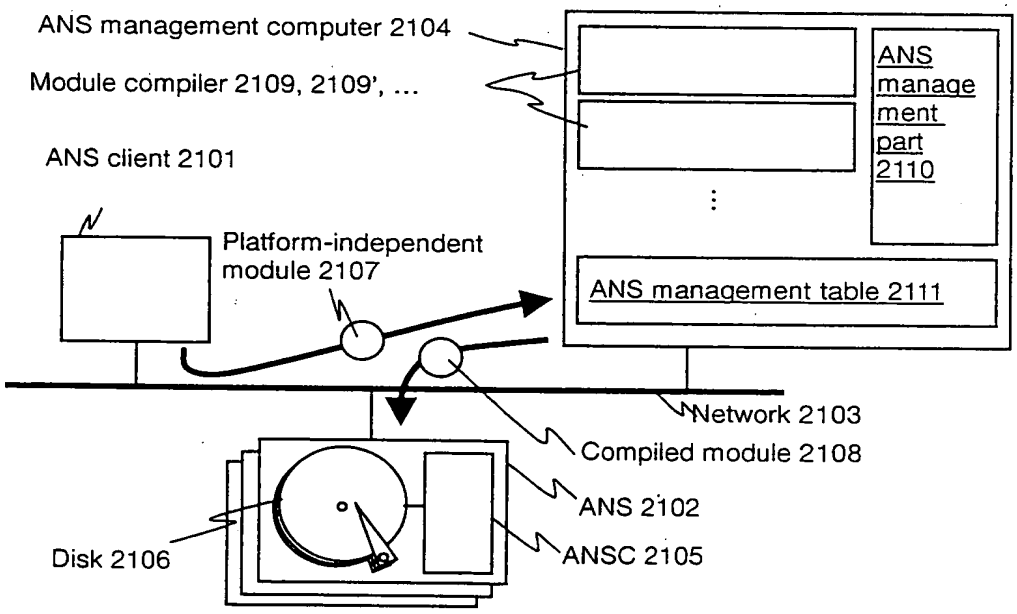

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Fig. 22

ANS management table 2201

ANS name 2202	Network address 2203	Model 2204	Compiler 2205
disk1	123.123.11.1	A corp. type 342	compiler A
disk2	123.123.11.2	B corp. type F01	compiler B
		⋮	
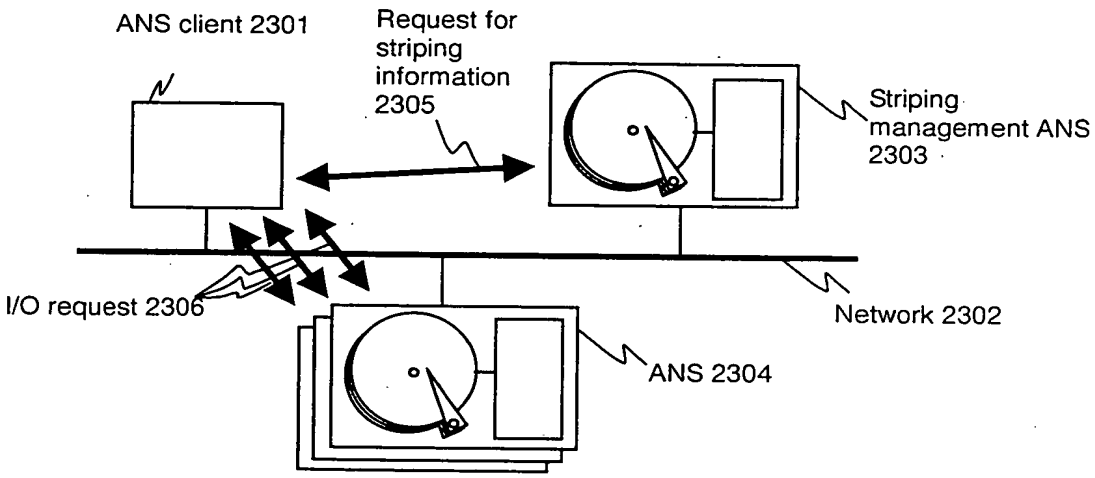
Fig. 23